

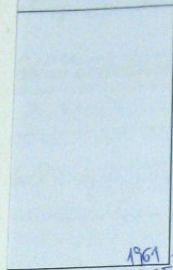


"...A SENTENCE FROM YOU ..."

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ss related to you

Interviewed on December 18, 2007 in

Born in [DATE] in [PLACE]

June 23, 1943, New Haven, Connecticut

Studies and Brief CV

Yale Hospital.  
Then we moved World War II. My father was in the Navy served in a submarine to Los Angeles 1946. in the European theater. He was infected (San Fernando Valley) to be a VANNUYS -> Steve Crocker, Jon Postel - all there. Carl (ICANN CEO).  
1961 TO STANFORD (in Germany - Stuttgart little town 300km from top of hills). We held classes (70 people) english/german 6 month period  
1965

19 UCLA B

Do you remember when you had your first contact with a computer?

Yes! Ken Kleinrock. Prod Programmer for Net - Center. Inject traffic to ARPANet for measuring and validate the queuing theory.

NCP -&gt; WORK - Postel.

Oct 1972. we demonstrated Int. Conference Computer Communication.

International Working Group. IFIP 6.1 (Data Communication).

Sept 1973 We presented the basic document

What was your first contact/experience with Internet or ARPANET?

(ALEX McKenzie -&gt; knows where). Bob Kahn left BBN when to ARPA. I left UCLA and went to SRI as a professor. Then all the work started.

1971-1976 -&gt; TCP protocols were developed (David Reed, Danny Cohen, John Postel).

Realtime Traffic - Don't need to have all been delivered. We could VOCLTECH.

ARPA - Asked, to come to Washington - July, August 1976. I undertook to manage the PRnet, SATnet and

In your opinion, what are the key characteristics of Internet?

late 1982. Then left the Gov to join MCI to create

22 Sept 1983 -&gt; MCI-mail. June 1986, Kahn who left ARPA started up a research company CNRI, we worked together until October 1984.

Oct 1994 - Rejoined MCI (VP, Architecture) was acquired by Bernie Ebbers (Worldcom) and in 4 years he put the company in bankruptcy.

In that

late 2005, when was acquired by Verizon (after 11 years).

I thought I could go to the

Andrew Ves Baro andreu@vesbaro.info December 2007

October 2005 joined Google. What title you want. (1994)<sup>28</sup> last Architect "chief Internet Evangelist". I spend a lot of time traveling to carry out the



COMPUTER: 1958 Sfr Monica (CA)  
(15.9.0.) Systems Develop Corpnet (Spin out of RAND).  
RAND had been working on Com & Control.  
RADARS & Canada pointing URSS, then sent to CA.  
Semi-~~static~~ Automated Ground Environment (SAGE).  
Tube based computer. You walked into the computer.  
(17.10. 1960 Steve Crocker got permission to use computers at UCLA.  
(still at high X  
Bumby: B-5000 5500 ← STF as an undergraduated.  
Completely infected.

1968 with Ken Kleenrock's, when the RFQ was led for the IMPs.  
we competed to that bid. (Jacobi Systems) we were committing.  
GPSS prog. languages.

1973 Internet ← Bob Kahn we at

Internetworking. Many packet SW networks  
I remember Dec 1974 seeing the word internet.  
The first TCP, spec had that. Always with capital "I".

Lower Case →  
Upper Case → ARPANET internet.

Then I started using "I" for the public and "i" for private m.

CHARS: It's Agnostic when it comes to transport.  
And doesn't know about the content. are subject to  
thes end to end concept.  
People can write many apps, don't have to ask permission  
to create new soft.

MILEST: 1972 But not I talking - 1974 Dec first complete spec. (Rosen label).  
Nov 22nd 1977 First demo PRSFO, SATnet Atlantic, and ARPANET → UK, Norway, USA.  
Jan 1st. 1983 → ARPANET to ARPANET. ARPANET  
1989. First commercial app. 1987 (had commercial) but not connected to NSF net.  
July/June 1989 MCI mail created. ← permission from Kahn on 1988.  
1986 - 1995 - NSFnet  
1990 ARPANET retired.  
1994 Rise of Netscape  
1989/ CERN Tim Berners Lee / Robert Cailliau -  
1992 ERIC BINA & Marc Andreessen. NCSA - Mosaic  
Jim Clark - Andreessen NETSCAPE.  
1996 .DOT boom is happening.  
2000 .DOT bust.  
2002 Phishing Reinsurance (100% / year user base) (Nimble) 40%  
300M. 10% intransitable Scamless





What do you consider the most important milestones in the development of the network?

- 19..
- 

How did you contribute to the development of the Internet?

(How it contributed to the development of the Network?)

Is a collaborative activity TCP.

IAB, chair for a time.

ISOC → 3 years first President.

1999 → Nov 2007 → chair of ICANN.

1998 → Extension of the net to another planets.

I'm trying to help at Google

Both IG Forms: what I did you mean.

(DTN  
delay and disruption tolerant net  
Hans 40 min / meeting 6 min.)

Who are some key people in the development of Internet, leaders or trendsetters?

Two anecdotal situations

PR Net (SRI, Don Nelson). Did a lot of demos. My heavy aids where interpreted.

17'10 17.5 GHz Crick paper. I could tell when the radio was off.

What do you think about the future of Internet?

Continue to expand. Up to 2015 (5B). If 3B in 2010.

Radios, TV, to the net. They'll start using net for the appliances.

How to index and interpret content of the net. Make sure to interpret the bits (reading JPGs) other applic copies.

Do you see any technological trends?

Very clear: Δ mob Δ BW edges Δ semantics.

More mobile and a lot of interplay.

## ADDITIONAL READING

PAPERS & BOOKS MENTIONED / RECOMMENDED